

STN Cas Japig US PAT

FILE 'CA' ENTERED AT 15:03:08 ON 19 JUL 2002

L1 163025 S ?POLISH? OR CHEMIPOLISH? OR CHEMIMECH? OR PLANARIZ? OR LAP? O
L2 12645 S ?ETCHBACK? OR EB OR E.B. OR ETCH?(W)BACK?
L3 46754 S ILD OR IMD OF INTERLEVEL? OR INTERLAYER? OR INTER(W) (LEVEL? O
L4 2050 S STI OR SHALLOW?(3A)TRENCH?
L5 1823171 S SI3N4 OR SI(3W)N OF NITRID? OR SIO OR SIO2 OR OXIDE? OR ?SILI
L6 147 S L1 AND L2 AND (L3 OR L4)
L7 121 S L6 AND L5
L8 1 S L6 AND FIX?(3A)ABRAS?
L9 0 S L6 AND (SIC OR CARBID? OR CARBON?(3A)POLYMER?)
L10 3 S L6 AND LOW(3A)DIELECTRIC?
L11 0 S L6 AND CARBONAT?
L12 9 S L6 AND POLYMER?
L13 147 S L6 OR L7 OR L8 OR L9 OR L10 OR L11 OR L12
L14 13 S (L8 OR L9 OR L10 OR L11 OR L12) AND L13
L15 134 S L13 NOT L14
L16 52 S L15 AND (?POLISH? OR CHEMIFOLISH? OR CHEMIMECH? OR PLANARIZ?
L17 26 S L13 AND (?ETCHBACK? OR EB OR E.B. OR ETCH?(W)BACK?)/TI
L18 21 S L13 AND (ILD OR IMD OR INTERLEVEL? OR INTERLAYER? OR INTER(W)
L19 58 S L13 AND (?POLISH? OR CHEMIPOLISH? OR CHEMIMECH? OR PLANARIZ?
L20 30 S L13 AND (STI OR SHALLOW?(3A)TRENCH?)/TI
L21 74 S L18 OR L19 OR L20
L22 81 S L18 OR L19 OR L20
L23 74 S L22 NOT L14
L24 60 S L15 NOT L23

FILE 'JAPIO' ENTERED AT 15:13:33 ON 19 JUL 2002

L25 3 S L14
L26 5 S L23
L27 33 S L24
L28 8 S L25 OF L26

FILE 'CA' ENTERED AT 15:20:19 ON 19 JUL 2002

L29 129 S L1(P)L2(P)(L3 OR L4)
L30 91 S L29(F)L5
L31 1 S L29(F)FIX?(3A)ABRAS?
L32 0 S L29(P)(SIC OR CARBID? OR CARBON?(3A)POLYMER?)
L33 0 S L29(P)(LOW(3A)DIELECT?)
L34 0 S L29(F)CARBON?
L35 8 S L29(F)POLYMER?
L36 95 S L30 OR L32 OR L32 OR L33 OR L34 OR L35
L37 129 S L29 OF L36

FILE 'USPATFULL' ENTERED AT 15:22:38 ON 19 JUL 2002

L38 986 S L37
L39 0 S L38(P)(CARBONAT?(3A)POLYMER?)
L40 0 S L38(P)(FIX?(3A)ABRAS?)
L41 22 S L38(P)(SIC OR CARBID? OR LOW(3A)DIELECTRIC?)
SET HIGH OFF
L42 2 S L38 AND FIX?(3A)ABRAS?
SET HIGH ON
L43 2 S L38 AND L42
L44 2 S L43 AND FIX?(3A)ABRAS?
L45 24 S L41 OR L44
L46 0 S L38 AND CARBONAT?(3A)POLYMER?
L47 4 S L38 AND CARBONAT?
L48 4 S L47 NOT L45
L49 958 S L38 NOT (L45 OR L47)
SAVE POLISHL38/A L38
DEL APML24/A
DEL APML25/A
SAVE POLISHL49/A L49

L50 671 S L38(P) (ILD OR IMD OR INTERLAYER? OR INTERLEVEL?)
L51 75 S L38(P) (INTER(W) (LEVEL? OR LAYER))
L52 734 S L50 OR L51
SAVE POLISHL52/A L52

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